

#### ABSTRACT OF DISCLOSURE

A method and apparatus for controlling the brightness of an image processing device to improve a brightness characteristic of an image signal, by reducing a pedestal voltage range and correspondingly expanding a brightness control voltage range in a highlight mode. The brightness control method includes the operations of determining whether a highlight mode is enabled; and if the highlight mode is enabled, reducing a pedestal voltage range by a first predetermined value and expanding a brightness control voltage range by a second predetermined value. The pedestal driving voltage and the brightness control voltage can be reciprocally controlled without modifications to a circuit having limited amplification, and the brightness can be improved without saturating an image in a highlight mode.